**Syracuse City School District
Computer Information Systems
Program Approval
Self-Study Report**

Career and Technical Education

March 2023

Computer Information Systems Program Approval Self-Study Report

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The Self-Study Process

The self-study is an important step in the career and technical education approval process and provides for an in-depth evaluation of the program of study. Its purpose is to bring together primarily internal stakeholders to review the CTE program and propose relevant modifications.

NYSED Self-Study Process

Program Information

The Computer Information Systems program provides students with the opportunity to learn the fundamentals of information processing, networks, hardware, software applications, and web publishing toward the goal of earning college credits and an Associate's degree in Computer Information Systems from Onondaga Community College.

Students will learn about common software packages for word processing, spreadsheets, databases, digital imagery and design, and desktop publishing and will use their skills to create authentic products for themselves and the community. Students will carry out computer and technical equipment maintenance and environmentally responsible hardware recycling.

Students will explore and apply the concepts of digital citizenship. Within this curriculum students will have the opportunity to earn Precision Computer Systems I Certification along with CTE Endorsement and college credits.

Students who successfully complete the Computer Information Systems pathway will be prepared for entry level careers or further education and training in programming, systems analysis, tech support, web development, software development and other opportunities in the computer information field.

NYSED CTE Program Requirements
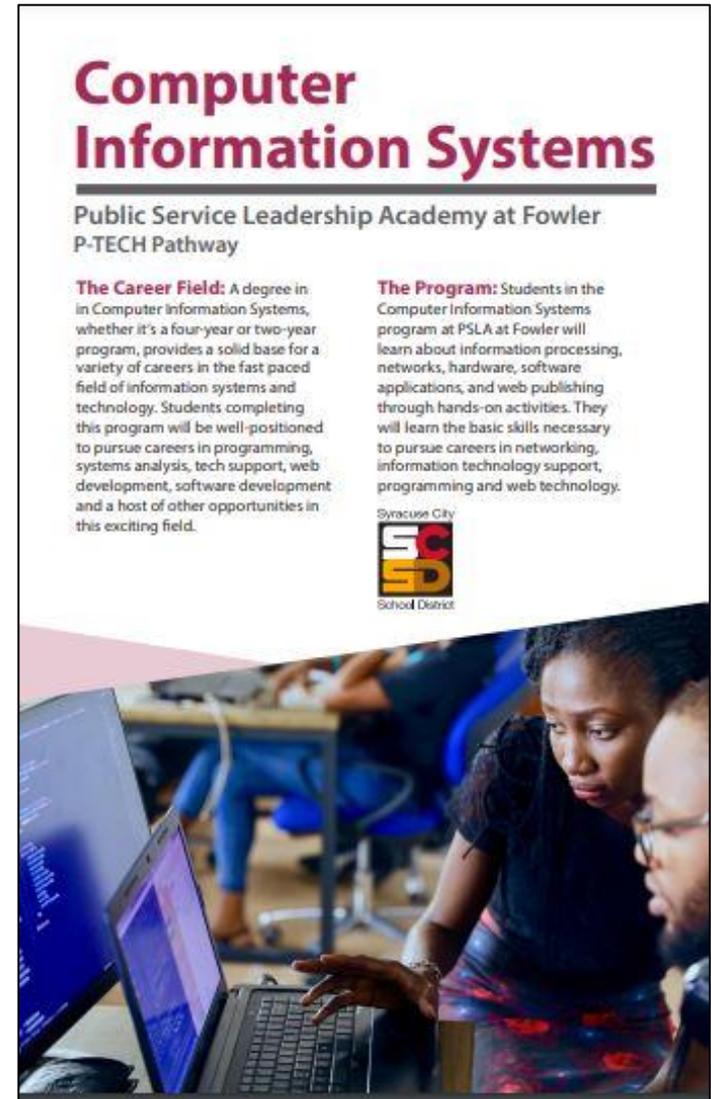
Computer Information Systems

Public Service Leadership Academy at Fowler
P-TECH Pathway

The Career Field: A degree in in Computer Information Systems, whether it's a four-year or two-year program, provides a solid base for a variety of careers in the fast paced field of information systems and technology. Students completing this program will be well-positioned to pursue careers in programming, systems analysis, tech support, web development, software development and a host of other opportunities in this exciting field.

The Program: Students in the Computer Information Systems program at PSLA at Fowler will learn about information processing, networks, hardware, software applications, and web publishing through hands-on activities. They will learn the basic skills necessary to pursue careers in networking, information technology support, programming and web technology.
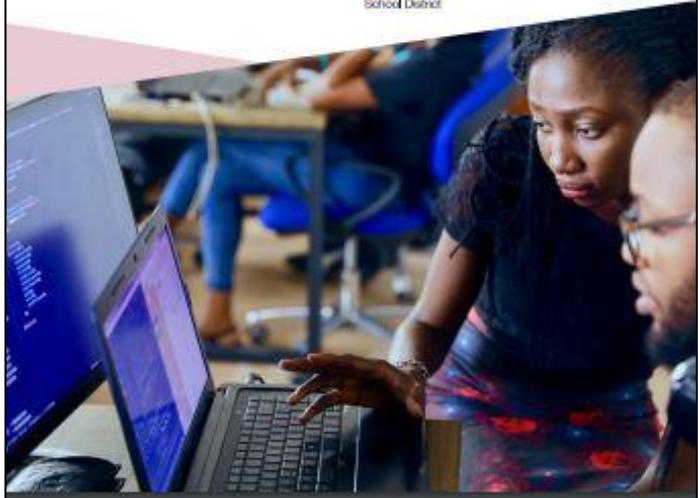
Curriculum

- Level 100 – Level 400

  - Integrated credit in ELA

  - Embedded Career and Financial Management

- NYSED Curriculum Requirements

- NYSED Overview of Integrated and Specialized Academic Credits

- NYSED Career and Financial Management Framework

Program Data

Program Data		
What is the total anticipated enrollment in this specific CTE program for each academic year?	Of this total, what is the anticipated enrollment for students with an IEP plan?	Of this total, what is the anticipated enrollment for students with Section 504 plan?
Grade 9: 28 Grade 10: 28 Grade 11: 28 Grade 12: 28 Cumulative Total: 112	Grade 9: 3 Grade 10: 4 Grade 11: 2 Grade 12: 4 Cumulative Total: 13	Grade 9: 0 Grade 10: 0 Grade 11: 1 Grade 12: 1 Cumulative Total: 2

This data was compiled using enrollment for the past 4 years of running our Computer Information Systems programs as a local program.

NYSED Program Data Requirements

Career Outlook

U.S. BUREAU OF LABOR STATISTICS

Quick Facts: Computer Systems Analysts	
2021 Median Pay	$99,270 per year $47.73 per hour
Typical Entry-Level Education	Bachelor's degree
Work Experience in a Related Occupation	None
On-the-job Training	None
Number of Jobs, 2021	538,800
Job Outlook, 2021-31	9% (Faster than average)
Employment Change, 2021-31	50,900

Computer Systems Analysts Occupational Employment and Wage Statistics State Data

Computer Systems Analysts Occupational Employment and Wage Statistics Local Data

Certifications

Computer Information Systems Teacher: Theresa Voltz

Search Results

Select	First Name	Last Name	MI	City	State	Registration Status
●	RHIANNON	WHITE	M	LIVERPOOL	NY	Expired
○	RHIANNON	WHITE	M	FAIRPORT	NY	Registered Inactive

View Detail

Certificate Information for New York State Teaching Certificate Holder

Certificate Title	Issue / Effective Date	Expiration Date	Status
English 7-12 Permanent Certificate	02/01/2007		Issued
English 7-12 Provisional Certificate	02/01/2002	01/31/2007	Expired

Certified by the State of New York solely for purposes of employment by the City School District of the City of New York and the operation of the School District.

NYSED Program Faculty Requirements

Search Results

Select	First Name	Last Name	MI	City	State	Registration Status
⦿	MATTHEW	CARON	C	MARCELLUS	NY	Registered Active

View Detail

Certificate Information for New York State Teaching Certificate Holder

Certificate Title	Issue / Effective Date	Expiration Date	Status
Special Education Permanent Certificate	02/01/2002		Issued
Coordinator of Work-Based Learning Programs for Career Awareness Extension Permanent Extension	11/28/2018		Issued
Special Education Provisional Certificate	02/01/2001	01/31/2006	Expired

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Search Results

Select	First Name	Last Name	MI	City	State	Registration Status
⦿	NICHOLAS	LISI		SYRACUSE	NY	Registered Active

View Detail

Certificate Information for New York State Teaching Certificate Holder

Certificate Title	Issue / Effective Date	Expiration Date	Status
Media Communications 7-12 Initial Certificate	09/01/2011	08/31/2016	Expired
Coordinator of Work-Based Learning Programs for Career Development Extension Initial Extension Annotation	12/19/2013	08/31/2016	Expired
Media Communications 7-12 Professional Certificate	03/17/2016		Issued
Coordinator of Work-Based Learning Programs for Career Development Extension Professional Ext/Anno	03/17/2016		Issued

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NYSED Program Faculty Requirements

Technical Assessment

Precision Exam:
Computer Systems I #884

SCSD Career Portfolio

Career Portfolio Rubric

NYSED Technical Assessment
Requirements

NYSED Technical Endorsement
Requirements

PRECISION EXAMS
by youscience

Computer Systems I

EXAM INFORMATION	DESCRIPTION
Exam Number 884	Students will learn necessary competencies for an entry-level IT professional including installing, building, upgrading, repairing, configuring, troubleshooting, optimizing, diagnosing, and performing preventive maintenance of basic personal computer hardware.
Items 27	
Points 32	**EXAM BLUEPRINT**
Prerequisites	
SUGGESTED INFORMATION TECHNOLOGY, INTRO OR TEACHER APPROVAL	

STANDARD	PERCENTAGE OF EXAM
1- Mobile Devices	13%
2- Networking	19%
3- Hardware	41%
4- Hardware and Network Troubleshooting	22%
5- Operational Procedures	6%

Recommended Course Length
ONE SEMESTER

National Career Cluster
INFORMATION TECHNOLOGY

Performance Standards
INCLUDED (OPTIONAL)

Certificate Available
YES

www.youscience.com

Computer Systems 1
884.2021

Work-based Learning

SCSD Work-based Learning

Students will be connected with working computer science professionals in the community through Career Coaching, field trips and job shadowing which could lead to further opportunities for direct job training and realworld experience. Students will create and maintain a portfolio of their work-based learning experiences throughout the program to document the development of their skills.

Syracuse City Schools Work-based Learning Handbook

NYSED Work-based Learning Requirements

Employability Profiles

Employability Profiles:

- Industry Based Skill Standards

- Career Development Standards

Advisory Council Members

- Doug Kellar, Vice President, Presentation Communication Collaboration
- Ethan Tancredi, Director of Syracuse Region ICS
- Sheila Scilia, Assistant Professor of Computer Studies Onondaga Community College
- Carl Thompson, Upstate University Hospital IT Department
- Jennifer Thornton, Director of Human Resources, Terakeet
- Cailee Garm, TCG Player

NYSED Employability Profile Requirements

Post-Secondary Articulation Agreement

Our Computer Information Systems program has articulation agreements with Onondaga Community College

NYSED Post-Secondary Articulation Agreement Requirements

Thank you!!!

It is important to provide your thoughts in the Self Study report. Please access the QR code or click on the graphic below to record your comments. We will also email you the link.
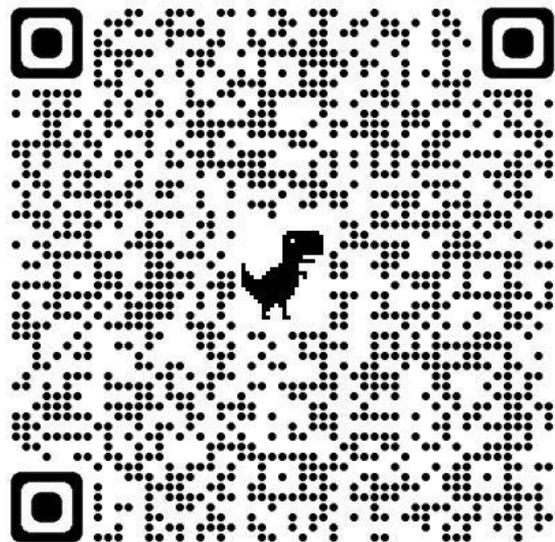
We appreciate your time and support of our programs and look forward to your feedback.